AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listings and versions of claims in this application.

1 through 51 Cancelled.

52. (Previously Presented)   A web server for transferring data from the Internet to mobile wireless devices that have limited display capabilities, comprising:

a web server that is connected to wireless devices via one or more corresponding wireless communications networks of the wireless devices, and is also connected to the Internet, and

wherein the web server is further configured to

receive requests from users of the wireless devices to view Internet web pages, wherein the requests are received in accordance with a transport protocol used by a requesting wireless device in its corresponding wireless communications network, wherein the transport protocol includes an element that identifies the type of wireless device that is making the request,

reformat the requests into HTTP requests,

send the HTTP requests to destination servers on the Internet in accordance with an Internet transport protocol,

receive the requested web pages from the destination servers,

parse data elements contained in the received web pages and remove non-displayable data elements from the web pages to generate displayable web pages based on the wireless device type of the requesting wireless device, and

send the web pages, without including the removed data elements, over the wireless communications networks to the requesting wireless device.

53. (Previously Presented)   The web server of claim 52 wherein the web server is configured to receive a request for an Internet web page that is sent in accordance with the transport protocol that includes the wireless device type.

54. (Previously Presented)   The web server of claim 52 wherein the web server determines the wireless device type to be the type of device identified in the transport protocol.

55. (Previously Presented)   The web server of claim 54 wherein the web server comprises a server process and a child process wherein the child process reformats the requests into HTTP requests.

56. (Previously Presented)   The web server of claim 55 wherein the child process parses data elements contained in the received web pages and removes non-displayable data elements from the web pages.

57. (Previously Presented)   The web server of claim 56 wherein the child process reformats a requested web page by building tags containing remaining data elements.

58. (Previously Presented)   The web server of claim 52 wherein the web server compresses and encrypts the web pages after the web server parses and removes non-displayable data elements from the web pages.

59. (Previously Presented)   The web server of claim 52 wherein the web server is configured to generate a plurality of data packets for sending the data elements of a particular web page to a requesting wireless device.

60. (Previously Presented)   A method for transferring data from the Internet to mobile wireless devices that have limited display capabilities, comprising:

connecting a web server to wireless devices via one or more corresponding wireless communications networks of the wireless devices, and also connecting the web server to the Internet;

receiving requests from users of the wireless devices to view Internet web pages, wherein the requests are received in accordance with a transport protocol used by a requesting wireless device in its corresponding wireless communications network, wherein the transport protocol includes an element that identifies the type of wireless device that is making the request,

reformatting the requests into HTTP requests,

sending the HTTP requests to destination servers on the Internet in accordance with an Internet transport protocol,

receiving the requested web pages from the destination servers,

parsing data elements contained in the received web pages and removing non-displayable data elements from the web pages to generate displayable web pages based on the wireless device type of the requesting wireless device, and

sending the web pages, without including the removed data elements, over the wireless communications networks to the requesting wireless devices.

61. (Previously Presented)   The method of claim 60 wherein receiving requests comprises receiving a request for an Internet web page that is sent in accordance with the transport protocol that includes the wireless device type.

62. (Previously Presented)   The method of claim 60 comprising determining the wireless device type to be the type of device identified in the transport protocol.

63. (Previously Presented)   The method of claim 62 further comprising implementing a server process and a child process on the webs server, wherein the child process reformats the requests into HTTP requests.

64. (Previously Presented)   The method of claim 63 wherein the child process parses data elements contained in the received web pages and removes non-displayable data elements from the web pages.

65. (Previously Presented)   The method of claim 64 wherein the child process reformats a requested web page by building tags containing remaining data elements.

66. (Previously Presented)   The method of claim 60 further comprising compressing and encrypting the web pages after parsing and removing non-displayable data elements from the web pages.

67. (Previously Presented)   The method of claim 60 further comprising generating a plurality of data packets for sending the data elements of a particular web page to a requesting wireless device.

68. (Previously Presented)   The method of claim 67 further comprising sending that particular web page by pacing the transmission of the data packets from the web server to the requesting wireless device.

69. (Previously Presented)   The method of claim 68 wherein the pacing is performed based on a bandwidth capability of a corresponding wireless communications network on which the requesting wireless device is operating.

70. (Previously Presented)   The method of claim 60 wherein the web server is configured to convert the web pages from HTML to another tag language.

71. (Previously Presented)   The method of claim 60 wherein the web server receives a wireless network type as part of the transport protocol.

72 (Previously Presented)   The method of claim 60 further comprising implementing a client process on the wireless devices, wherein the client process sends the requests to the web server in accordance with the transport protocol of the corresponding wireless communications network in which that wireless device is configured to operate.

73 (Previously Presented)   The method of claim 72 wherein the transport protocol is for low bandwidth networks.

74. (Previously Presented)   The web server of claim 59 wherein the web server is configured to send that particular web page by pacing the transmission of the data packets from the web server to the requesting wireless device.

75. (Previously Presented)   The web server of claim 74 wherein the pacing is performed based on a bandwidth capability of a corresponding wireless communications network on which the requesting wireless device is operating.

76. (Previously Presented)   The web server of claim 52 wherein the web server is configured to convert the web pages from HTML to another tag language.

77. (Previously Presented)   The web server of claim 52 wherein the web server receives a wireless network type as part of the transport protocol.

78 (Previously Presented)   A system comprising the web server of claim 52 and a client process implemented on the wireless devices, wherein the client process sends the requests to the web server in accordance with the transport protocol of the corresponding wireless communications network in which that wireless device is configured to operate.

79. (Previously Presented)   The system of claim 78 wherein the transport protocol is for low bandwidth networks.

80. (New)   A system comprising the web server of claim 51 and one or more browser applications implemented on the wireless devices that allows users to input a URL of a web page of interest to the user as their request.

81. (New)   The method of claim 60 wherein the receiving comprises implementing one or more browser applications on the wireless devices that allows the users to input a URL of web page of interest to the user as their request.